

**Recertification Notice of Intent (NOI)
Regulated Small Municipal Separate Storm Sewer Systems (MS4's) General Permit ARR040000**

You must complete, certify, and sign this Recertification Notice of Intent (NOI) form and return it along with the updated Stormwater Management Program (SWMP) to the Department in order to continue permit coverage under the General Permit ARR040000. You must submit this form no later than July 1, 2019. Please keep a copy of this form for your records once completed and signed.

Permittee Name	Permit Tracking Number	AFIN
City of Pine Bluff	ARR040042	88-00866

If any changes or additions need to be made to the information shown below, please update the new information in the corrections section below and/or attach documentation.

	Current Information in ADEQ's database	Corrections/Additions, If Needed
Small MS4 Physical Address	200 E. 8th Avenue	
County	Jefferson	
Urbanized/Core Areas	Pine Bluff	
Receiving Stream	Hardin Drain, Brumps Bayou, Pitts Drain, Eden Park Drain, Middle Bartholomew	
Ultimate Receiving Stream	Arkansas River	
Contact Person & Title	Jamin Ross, Stormwater Coordinator, Inspection Department	Jeff Gaston
Telephone Number	(870) 730-2020	
Cognizant Official & Title	Jeff M. Gaston, Stormwater Coordinator	
Responsible Official & Title	Shirley Washington, Mayor	

Are the mailing and invoice addresses the same?

Yes or No*

*If "No," please provide invoice address:

Additional Comments: _____

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

I certify that I have read and will comply with all the requirements of the Regulated Small Municipal Separate Storm Sewer Systems (MS4's) General Permit ARR040000.

Responsible Official Name: Shirley Washington
 Responsible Official Title: Mayor
 Responsible Official Signature: Shirley Washington
 Date: 5/27/2019

Return the NOI form to the address below or send it electronically to: water.permit.application@adeq.state.ar.us or via ePortal at the following web address: <https://eportal.adeq.state.ar.us/>

NPDES Permits Section, Office of Water Quality
 Arkansas Department of Environmental Quality
 5301 Northshore Drive
 North Little Rock, AR 72118-5317

City of Pine Bluff

Stormwater Management Plan



Permit No. ARR 040042

2019 -- 2024

Written: October 25, 2019

Revised: December 16, 2019
City of Pine Bluff

Stormwater Management Plan

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Attachments

Attachment 1	UA Cooperative Extension Service Public Education Proposal
Attachment 2	Ordinance No. 6191

I. Introduction

The Stormwater Phase II Final Rule was promulgated by the EPA and became effective in 1999.

The Phase II Rules addresses Stormwater discharge from small MS4s and Stormwater discharges from construction activities disturbing one acre or more of land. Requirements to submit reports to ADEQ on the status of compliance with the permit using ADEQ Small MS4 annual reporting form. The reports are due annually by March 31st of the following year.

II. Program Summary

Polluted stormwater runoff often finds its way into the storm drain system. These drainage systems, known as Metropolitan Separate Storm Sewer Systems (MS4s), drain into the local rivers and streams without any treatment. The Phase II Rule established a MS4 Stormwater management plan that seeks to improve the water quality in the nation's waterways by reducing the amount of polluted runoff that enters the system, thereby entering the local waterways. Water picks up pollutants such as motor oil and grease, erosion sediment from construction sites, improperly disposed trash, lawn pesticides and fertilizers and even cigarette butts as it moves across the surface of the land making its way to the storm drain inlet or drainage ditch. Once this accumulated material makes its way to the local waterways, it has the ability to degrade the waterways, thereby reducing the ecological and aesthetic quality of the water. This may ultimately reduce the waterway's value as a recreational resource or as a source of potential drinking water.

Additional information regarding the City's Stormwater Management Plan may be obtained by contacting the Stormwater Coordinator at 870-730-2000 or by mail at:

City of Pine Bluff
Inspection and Zoning Department
Attn: Stormwater Coordinator
200 E. 8th Avenue
Pine Bluff, AR 71601

III. Phase II Program Requirements

Operators of regulated small MS4s must:

- Apply for National Pollutant Discharge Elimination System (NPDES) permit coverage under general permit number ARR040000.
- Develop a Stormwater Management Program (SWMP) which includes the six (6) minimum control measures.
- Implement the SWMP using appropriate Stormwater management controls, or "best management practices" a.k.a. (BMPs).
- Develop measureable goals for the program.
- Periodically evaluate effectiveness of the program.

This SWMP seeks to improve the quality of storm runoff before it enters the storm drain system, and thus, the local waterways. The City of Pine Bluff recognizes the need to improve water quality as required by the Phase II Rule.

IV. The Six Minimum Control Measures

The Phase II Rule outlines a small MS4 Stormwater management program which contains six (6) required elements which, when executed together, should significantly reduce the amounts of pollutants which ultimately enter the area waterways. These six (6) elements are described as follows:

1. Public Education & Outreach

Distribute educational materials and perform outreach activities to inform citizens about the negative impacts of polluted Stormwater on area waterway quality.

2. Public Participation/Involvement

Provide opportunities for citizens to participate in program development and implementation, including providing effective notice of public hearing and/or encouraging citizen representatives on a stormwater management panel.

3. Illicit Discharge Detection & Elimination

Develop and implement a plan to detect and eliminate illicit discharges to the storm sewer system (includes development of a system map and informing the community about hazards associated with illegal discharges and improper disposal of waste).

4. Construction Site Runoff Control

Develop, implement and enforce an erosion and sediment control program for construction activities that disturb one or more acres of land (controls could include, e.g. silt fences and temporary Stormwater detention ponds).

5. Post-Construction Runoff Control

Develop, implement and enforce a program to address discharges of post-construction Stormwater runoff from new development and redevelopment areas. Applicable controls could include preventative actions such as protecting sensitive areas (e.g. wetlands) or the use of structural BMPs such as grassed swales or porous pavement.

6. Pollution Prevention/Good Housekeeping

Develop and implement a program with the goal of preventing or reducing pollutant runoff from municipal operations. The program must include municipal staff training on pollution prevention measures and techniques (e.g. regular street sweeping, reduction in the use of pesticides or street salt, or frequent catch basin cleaning).

Minimum Control Measures

No. 1: Public Education and Outreach

BMPs to address Public Education and Outreach

The City of Pine Bluff participates in quarterly Southeast Arkansas Stormwater Education Steering committee meetings to review and evaluate program accomplishments and plan next steps. The Committee will provide the localized input to be used to identify critical stormwater

issues, target audiences, program methods and public relations strategies.

A. Develop and distribute electronic and printed educational materials

The UA Cooperative Extension Service (UACES), with assistance from the City of Pine Bluff, will prepare and distribute Stormwater information to the general public, public and private schools, and other groups to inform them of Stormwater issues. Examples may include fact sheets, website content, social media, newsletters, press releases, and PSAs.

Measurable Goals:

A minimum of one (1) electronic and printed educational materials will be developed each year by the UA Cooperative Extension Service. The number of educational materials distributed will be documented. MS4 Southeast Arkansas Stormwater Education Steering Committee meeting attendance will be documented.

B. Create displays and staff educational booths

Displays highlighting the annual topics of emphasis will be created and set up/staffed at libraries, banks, schools, public utilities, local festivals, county fairs, etc.

Measurable Goals:

Stormwater displays will be created (Min. 1/yr.) and used to highlight topics of emphasis will be rotated quarterly. Stormwater displays will be maintained at a minimum of six public areas such as libraries, schools, banks, and businesses.

C. Conduct Stormwater programs for adult audiences

Educational presentations will be given at civic meetings, neighborhood meetings, Master Gardener training sessions, and public libraries to illustrate stormwater dynamics, identify potential pollutants and pathways, describe techniques to reduce stormwater pollution, and encourage voluntary undertaking of best management practices (such as reduced home site stormwater runoff, improved lawn and garden management, automotive maintenance, and the proper use, handling and disposal of household hazardous products).

Measurable Goals:

A minimum of 3 educational presentations will be given each year to adult audiences. A minimum of 3 Urban Home*A*Syst educational presentations will be given each year to Master Gardeners.

D. Conduct youth stormwater/water quality education programs

Educational programs for school youth will focus on the water cycle, watersheds, stormwater dynamics, water quality, and pollution prevention using the EnviroScape surface runoff model, groundwater simulator, and hands-on exercises from Project WET and Project WILD. UACES

will conduct stormwater education with students in schools in Pine Bluff, White Hall, Watson Chapel, and Dollarway School Districts.

Measurable Goals:

At least 500 students will be reached through stormwater education programs.

E. Plan media relations activities

Stormwater topics will be developed into press releases, radio PSAs, and utility billing inserts for residents. Partnerships will be pursued with the *Pine Bluff Commercial*, the *White Hall Journal*, UAPB TV 24, local cable TV provider City of Pine Bluff PBTv, KUPB-FM, and KTRN-FM.

Measurable Goals:

A minimum of 5 press releases and PSAs will be created and submitted to media outlets. At least once a year, stormwater management and pollution prevention inserts will be provided for inclusion in municipal utility bill mailings.

Responsible Parties

The University of Arkansas Cooperative Extension Service has contracted with the municipality to be responsible for the development and implementation of the public outreach and education efforts.

**Minimum Control Measure #1
5 Year Implementation Schedule**

2020	2021	2022	2023	2024
<i>Topic Emphasis:</i> Vehicle Washing	<i>Topic Emphasis:</i> Septic systems	<i>Topic Emphasis:</i> Irrigation Management to minimize runoff/ disconnection impervious surfaces	<i>Topic Emphasis:</i> Litter/ Illegal Dumping	<i>Topic Emphasis:</i> Construction Site Erosion Control
<i>Target Audiences:</i> Vehicle owners, mobile car washing businesses, and fundraising organizations	<i>Target Audience:</i> Homeowners	<i>Target Audiences:</i> Homeowners and businesses with irrigation systems and guttering	<i>Target Audience:</i> Schools, pre-schools, volunteers, general public	<i>Target Audience:</i> Local contractors and homeowners conducting projects that include land disturbances
<i>Rationale:</i> Activities such as washing vehicles in the driveway or in a parking lot generate wash water that can contain toxic hydrocarbons and other organic compounds, oils and greases, nutrients, phosphates, heavy metals and suspended Sediment that leaves a disturbed yard or construction site can cause stormwater pollution. Solids	<i>Rationale:</i> Malfunctioning septic systems can negatively impact stormwater quality	<i>Rationale:</i> Efficient irrigation conserves water and prevents it from entering the storm drain system while disconnecting impervious surfaces minimizes runoff by enhancing infiltration	<i>Rationale:</i> Improper handling and disposal of litter can allow it to enter the storm drain system and impact stormwater quality	<i>Rationale:</i> Land disturbances can allow sediment to leave the site and can negatively impact stormwater quality

The five-year plan may be subject to change as requested by the Southeast Arkansas Stormwater Steering Committee and as determined to be a more relevant or essential for a given timeframe.

Summary of Measurable Goals

UA Cooperative Extension Service staff may use a combination of public events, periodic neighborhood surveys and consultation with community and citizen group leaders to obtain public feedback on specific education and outreach efforts. The specific goals identified in the contract agreement will be described in detail in the UA Cooperative Extension Service's Annual Report to the City of Pine Bluff, which will be included as an attachment to the City's Annual Report. A copy of the UA Cooperative Extension Service Education Proposal is attached.

No. 2 Public Involvement/Participation

BMP's to address Public Involvement/Participation in Pine Bluff

A. **Storm Drain Marking-** Organizations, such as schools, neighborhood groups, civic clubs, local Stream Teams, Extension Homemakers, Master Gardeners, 4-H and other youth groups will be invited to stencil storm drains with messages like "Do Not Dump, Drains Directly to River/Lake" as community service projects.

Measurable Goals: Each storm drain markers will be recorded by GPS and entered into a digital database.

B. **City-Wide Clean Day --** The UA Cooperative Extension Service will work with the City of Pine Bluff, Keep Arkansas Beautiful, and the Arkansas Game and Fish Commission's Stream Team to implement a spring city-wide cleanup event with emphasis placed on the effects of littering on the stormwater system and in surface waters. A minimum of one event each year will be conducted. Similar organizations will be encouraged to cleanup or adopt creeks in Jefferson County in conjunction with the Arkansas Game and Fish Commission's Stream Team program.

Measurable Goals: The number of volunteer hours and participants will be documented.

C. **Staffed Displays** – Steering committee members, UACES staff and agents, Master Gardeners, and other potential volunteers will be utilized to staff stormwater displays at festivals, fairs, lawn and garden shows, and other events to provide education on stormwater pollution and prevention strategies.

Measurable Goals: At least five staffed displays will be conducted, and educational materials distributed will be documented.

D. **Train the Trainer** – Using a "Train-the-Trainer" process, stormwater and pollution prevention will be included in the 40 hours of annual training for 20-25 new Jefferson County Master Gardeners. In turn, Master Gardener volunteers will help educate residents about soil testing, matching fertilizer applications to plant needs, integrated pest management, and composting.

Measurable Goals: A minimum of 100 Master Gardener volunteer hours will be spent on educating area residents about proper fertilization, integrated pest management, and backyard composting.

Responsible Parties

University of Arkansas Cooperative Extension Service
The City of Pine Bluff

Summary of Measurable Goals

The public will be provided with opportunities to provide their input into the Stormwater management program. They have been invited to review and comment on the draft SWMP which has been posted on the city's website at www.cityofpinebluff.com. The University of Arkansas County Extension Service will work with the PB/JC Clean & Beautiful Commission to schedule citizen participation in the annual spring and fall clean-ups in the city. The Commission also schedules annual electronic recycling events where the public is invited to dispose of electronic waste free of charge at the City's Recycling Center for hazardous waste. The City will track its participation in and the activities of these various activities on an annual basis.

**Minimum Control Measure #2
5 Year Implementation Schedule**

2020	2021	2022	2023	2024
<i>Program Emphasis:</i> Engage organizations (such as the Master Gardeners, lawn care/landscaping professionals) to promote stormwater pollution prevention education	<i>Program Emphasis:</i> Coordinate litter cleanup events near creeks, drainage ways, streams, lakes, parks, trails, or on roadway	<i>Program Emphasis:</i> Provide staffed displays at public events to provide education on stormwater pollution and prevention strategies.	<i>Program Emphasis:</i> Educate the public that storm drains discharge to local streams, creeks, rivers, lakes, and bayous by making storm drains with signs that say 'Drains to Waterway, Don't Pollute'	<i>Program Emphasis:</i> Engage the Jefferson County Recycling Center to promote recycling
<i>Target Audience:</i> Homeowners, lawn care/landscaping professionals	<i>Target Audience:</i> MS4 residents	<i>Target Audience:</i> MS4 residents	<i>Target Audience:</i> MS4 residents	<i>Target Audience:</i> MS4 residents
<i>Rationale:</i> Improper management of grass clippings and leaves can clog storm drains and excess fertilizer and pesticides can contaminate stormwater with nutrients and chemicals	<i>Rationale:</i> Improper handling and disposal of litter can allow it to enter the storm drain system and impact stormwater quality	<i>Rationale:</i> Educated residents can make informed decisions on how their actions impact stormwater quality	<i>Rationale:</i> Residual oil, grease, solids, antifreeze, cigarette butts, yard waste, plastic and other wastes found on roads, parking lots and driveways can be moved thru the storm drain system and pollute downstream waters by increasing phosphorus levels, reducing oxygen levels and ultimately impairing aquatic habitat for fish and other organisms as well as drinking water sources	<i>Rationale:</i> Recycling can prevent toxic substances from entering streams, lakes, and groundwater. Household items such as pesticides, paints, cleaning supplies, and detergents all contain toxic materials that when introduced into a water system can be detrimental to human, plant, and animal health.

The five-year plan may be subject to change as requested by the Southeast Arkansas Stormwater Steering Committee and as determined to be a more relevant or essential for a given timeframe.

No. 3 Illicit Discharge Detection & Elimination

A. Stormwater Drainage Map – The City of Pine Bluff currently utilizes a 244 sheet set of aerial photographs to map its Stormwater Management System. Only 180 sheets of this set are complete, 64 are incomplete. This translates into 74 per cent complete. However, the unmapped area that lack detailed study are by a large undeveloped woodland and grassland, with non-concentrated sheet-flow drainage. Our urbanized area is better understood than this percentage number would indicate. We are continuing our work on a unified view of how our Storm Drainage System works, and hope to be near 100 percent complete this year.

The set of maps used to check targeted outfalls are less detailed than the aforementioned aerial photos, although they do show all of the underground part of the system. Notably missing are many of the smaller ditches that feed into the targeted arterial lines. A yard drain that drains one acre, or a roof drain that drains one building is technically an “outfall”. The current mapping system is housed and can be viewed at the Pine Bluff Street or Inspection and Zoning Department. Data is currently in development to be digitally stored in GPS.

B. Locate Problem Areas – The Pine Bluff Street Department has identified priority areas for detailed screening of illicit connections. The City’s personnel, while doing their daily activities, and residents of the MS4 can report potential illicit discharges to the Stormwater Coordinator to be investigated. The City’s website lists an email address and phone number for reporting suspected illicit discharges.

C. Dry Weather Outfall Screening – The City of Pine Bluff Streets Department has developed a Stormwater Management System map that will be used to determine stormwater outfall locations. All Outfalls will be monitored for non-stormwater flows *and* dry weather screened over the permit term. Any suspect discharges will be reported to the Inspection & Zoning Department, which will take the appropriate actions to eliminate them. The city may also use the Pine Bluff Wastewater Utility Department or third-party laboratories for testing of samples suspected to be illicit discharges. Maps will be updated as needed by integrating new land use plans submitted by making necessary amendments to the maps using our own resources as the case may deem necessary. The City of Pine Bluff has ordinances governing discharges to the storm sewer. (Ord.No.28-160) see Attachment 2.

D. Review and revise, if necessary, the city's ordinance to reflect current state legal requirements. The Pine Bluff Inspection Department will conduct a review of current city code as it relates to the most current Phase II requirements. If changes are needed to the code, such changes will be generated after a review of city law and the current requirements. Any necessary amendments will be prepared and presented to the city council for adoption.

E. Public Awareness of Hazards Associated with Illicit Discharges -- The University of Arkansas Cooperative Extension Service will proceed with implementation of its Stormwater Education Program Tasks and Objectives. The EPA recognizes the importance of educational outreach to public employees, businesses, property owners, the general community and elected officials regarding ways to detect and eliminate illicit discharges. The city executes various efforts such as coordinating volunteers for creek and roadside ditch clean-up efforts regularly

during the year. The city works with the UA Cooperative Extension Service to develop and distribute informative brochures explaining the importance of avoiding illegal discharges into the storm sewer system and area waterways. The UA Cooperative Extension Service has developed Education and training procedure outlined in their Southeast Arkansas Urban Stormwater Program 2018 Report (See Attachment 1).

F. **Enforcement of Illicit Stormwater Discharge Regulations** – The City of Pine Bluff has adopted Section 28 of the Pine Bluff Code of Ordinances (Attachment 2) which addresses Stormwater management, drainage and erosion Control. Section 28-160 includes provisions prohibiting illicit discharges and illicit connections as well as requirements to mitigate any release of contaminants. The Inspection Department will perform inspections on all reported incidents. Known infractions will be investigated and the appropriate measures taken to enforce the provisions of the ordinance. Where necessary, the stormwater ordinance allows for the issuance of citations and fines as a result of continued violations of the illicit discharge ordinance.

Responsible Parties

Pine Bluff Street Department
Pine Bluff Inspection & Zoning Department
UA Cooperative Extension Service

Summary of Measurable Goals

The Annual Report will include the following:

1. Progress report on the production of the Stormwater drainage system map.
2. A list of any ordinance changes, with copies of amended ordinances, that have been undertaken to comply with Phase II EPA rules regarding Stormwater.
3. A list of all illicit discharges identified.
4. Copies of all violation notices sent.
5. A list of all illicit discharges eliminated.
6. Five-year outfall inspection list.

No. 4 Construction Site Stormwater Runoff Control

A. **Stormwater Permit Required** -- A city permit will be required for construction site activities and those activities associated with excavation, grading, and removal of trees and vegetation. The permit shall be required for only those sites where one (1) acre or more of the land is disturbed. *(A copy of the complete city code ordinance governing Stormwater is included as Attachment 2 in the appendix of this plan.)* The permit will only be issued after a review of the required documents as indicated in the Stormwater ordinance. No zoning and building permit shall be issued for said site until the applicant has received his stormwater permit. All permittees will be required to adhere to provisions in the City Ordinance 28-164.

B. **Site Plan Review Required** – Construction plans that are submitted for city approval will be reviewed to determine whether they will result in the disturbance of one acre or more of land. The Stormwater permit shall be required for only those sites where one (1) acre or more of the land is disturbed. The permit application for sites between one (1) acre and five (5) acres

shall consist of documentation the applicant has filed his Notice of Intent (NOI) that is filed with the Arkansas Department of Environmental Quality (ADEQ) and providing the program administrator with a copy of the Stormwater Pollution Protection Plan (SWPPP) for the construction site that meets ADEQ and the city BMP's practices and procedures as determined by the program administrator. The city permit application for sites of five (5) acres or more shall consist of documentation that ADEQ has approved the construction site SWPPP and that a copy of said plan and documentation is submitted to the program administrator along with documentation as to complying with the city BMP's practices and procedures as determined by the program administrator. It is estimated that only 5% to 15% of construction projects in Pine Bluff may trigger the one-acre threshold. This might be represented by three or four sites.

C. **Inspection Procedures** – Inspections will be performed on a monthly basis for active construction sites with Pine Bluff Stormwater permits. Sites in violation will be notified by the program administrator. All inspections will be based on the SWPPP which is on file with the city as a condition for issuance of a Stormwater permit. Sites which disturb over five acres in size will be prioritized for inspection.

D. **Enforcement** -- Whenever the program administrator finds that an organization has violated a prohibition or failed to meet a requirement of this article, the program administrator shall order compliance by written notice of violation to the responsible person. This notice will describe the steps required to bring the site into compliance.

E. **Sanctions** – In the event a construction site fails to properly implement the required BMPs as outlined in its SWPPP, the Stormwater coordinator will contact the responsible party and provide written notice of the deficiencies. Should identified problems remain uncorrected, the Stormwater coordinator may issue a stop work order which will remain in effect until the situation has been resolved. If work continues, the Stormwater coordinator shall issue a citation to the responsible party.

F. **Create and/or adopt a Best Management Practices (BMP) manual** – The City of Pine Bluff has developed a manual and will be for the use of contractor's in the preparation of their Stormwater Pollution Prevention Plans (SWPPPs) for applicable construction sites. This manual shall include BPMs for the control of construction site waste, concrete truck washouts, chemicals, litter and sanitary waste.

G. **Hire and Train a Stormwater Coordinator** – The City of Pine Bluff will maintain a certified Stormwater Coordinator on staff to coordinate Stormwater activities. Individuals hired for the purpose of Stormwater Management will be required to obtain Certified Erosion, Sediment and Stormwater Inspector (CESSWI) certification or other suitable certification.

H. **Information Submitted by the Public** – The public is provided the opportunity to review Stormwater-related information such as the city's Stormwater ordinance and Stormwater Management Plan (SWMP) on the city's website. Contact information is provided for public inquiries on page 3 of this document. Comments are requested in writing.

Responsible Parties

Pine Bluff Inspection & Zoning Department
University of Arkansas Cooperative Extension Service

Summary of Measurable Goals

The Annual Report will include the following:

1. The number of projects receiving Stormwater permits
2. Number and frequency of site inspections
3. Number of violation letters issued
4. An update on the progress of a BMP manual
5. Number of enforcement actions taken
6. Number of complaints received, and number inspected
7. Number of Stop Work orders issued
8. Number of Citations issued
9. Include Stormwater coordinator contact information in Annual Report

No. 5 Post-Construction Stormwater Management for New Development and Redevelopment

A. Create and/or adopt a Best Management Practices (BMP) manual –A manual has been developed for the use of contractor's in the preparation of their Stormwater Pollution Prevention Plans (SWPPPs) for applicable construction sites. This manual will discuss structural BMPs (such as detention ponds) as well as non-structural BMPs to address the operation and

maintenance of such features, e.g. O&M agreements between the permittee and post-development landowners. The development of this manual will review other communities with similar geography, population size and economic circumstances for regionally appropriate solutions. This manual will be presented to City Council for adoption.

B. Site Plan Review Required – Site plan with a Stormwater Screen plan shall be submitted and reviewed for those projects which propose disturbance of one acre or more of ground. These projects will be subject to the issuance of a Stormwater permit and review for the use of appropriate post-construction BMPs.

C. Post-Construction Program – Ordinance No. 6191 Section 28-152 (Attachment 2) sets forth the procedures required for all post-development BMPs which are installed, maintained and operated properly. City code and policies will be reviewed annually with the goal of seeking ways to encourage infill development in areas where infrastructure, including storm sewer systems, is already in place. This review will consider ways to direct development away from the various sensitive water bodies which surround Pine Bluff. The post-construction program will require, as part of the pre-construction site plan review for all applicable projects that all required post-construction controls are installed and that long-term operation and maintenance (O&M) agreements are in place.

D. Post-Construction Enforcement – The City has developed and implemented an enforcement program to inspect Stormwater facilities to ensure compliance. This enforcement will entail physical inspection of BMPs as well as enforcement of all O&M agreements in effect.

E. **Low Impact Development (LID)** – C city codes and policies will be reviewed in order to identify impediments to low impact development strategies.

Responsible Parties

Pine Bluff Inspection & Zoning Department
Pine Bluff Street Department
Pine Bluff Wastewater Utility
UA Cooperative Extension Service
Pine Bluff Code Enforcement
Flood Plain Personnel

Summary of Measurable Goals

The Annual Report will include the following:

1. Progress report on the preparation of a best management practices (BMP) manual. This manual will address both new development and redevelopment.
2. Submission of the manual when it is completed.
3. Progress report on any work being done to revise city code where necessary to incorporate BMPs into applicable post-construction sites.

No. 6 Pollution Prevention/Good Housekeeping for Municipal Operations – BMPs

A. **City Operations Assessment** -- Conduct an annual inspection of the following municipal facility sites: Pine Bluff Parks & Recreation, Pine Bluff Police Department, Pine Bluff Fire Department, Pine Bluff Street Department, Pine Bluff Transit, Pine Bluff Wastewater Utility and Grider Field Airport to determine what improvements can be made to reduce illicit stormwater discharges. Such discharges that include detergents and other cleansers in car or truck washing operations, fertilizer or pesticide from landscape maintenance functions, and oil, gasoline, antifreeze and other products associated with vehicle maintenance functions are not an allowable non-stormwater discharge. City departments will utilize procedures outlined in the BPM adopted by the City for Operations and Management of their programs, Spill Prevention and Pollution Control, shall identify by department the individual for program compliance and set measurable goals.

B. **Employee Training** – The UA Cooperative Extension Service will conduct annual stormwater training for veteran and new employees, who’s day to day activities, have the potential to impact stormwater. Training will equip MS4 employees with a knowledge and understanding of how to reduce the potential impact of their work activities on stormwater quality. Educational emphasis will be on soil fertility and integrated pest management, hazardous product use, handling and storage, and spill response, and vehicle maintenance, fueling and washing. Five trainings will be conducted. Pre and post exams will be given and analyzed for increased knowledge in soil fertility and integrated pest management, increased knowledge in vehicle maintenance, and increased knowledge in hazardous product management. The UA Cooperative Extension staff will report the number of educational materials distributed to municipal employees.

C. **Roadway Operations and Maintenance Program** -- The Pine Bluff Street Department oversees the cleaning out of curb inlets to remove sediment and debris in order to maintain their proper functioning. They also operate street sweepers and manage the cleaning and maintenance of city roads.

The City of Pine Bluff follows the Best Management Practice Plans specially “Appendix A” which include maintenance activities, maintenance schedules, and long-term inspection procedures for controls to reduce floatables and other pollutants to the MS4 and controls for reducing or eliminating the discharge of pollutants from streets, roads, highways, municipal parking lots, maintenance and storage yards, waste transfer stations, fleet or maintenance shops with outdoor storage areas, and salt/sand storage locations and snow disposal area the permittee operates. Procedures for the proper disposal of waste removed from the MS4 and the municipal operations, including dredge spoil, accumulated sediments, floatables, and other debris.

Responsible Agencies

UA Cooperative Extension Service
Inspection & Zoning Department
Pine Bluff Street Department
Pine Bluff Fire Department
Pine Bluff Police Department
Pine Bluff Parks and Recreation Department
Pine Bluff Wastewater Utility
Pine Bluff Animal Control
Pine Bluff Transit
Flood Plain Personnel

Summary of Measurable Goals

The Annual Report will include, at a minimum:

1. Progress report on review and preparation of departmental operations manuals
2. Manuals when they become available
3. Records of annual employee training sessions regarding best management practices (BMPs) applicable to departmental operations.
4. Annual site visits with inspection report will be maintained for reporting purposes.

V. Legal Authority

Code of Ordinances of City of Pine Bluff

http://library2.municode.com/default-test/home.htm?infobase=11096&doc_action=whatsnew

Chapter 28 – Article 4 – Stormwater Regulations (Ord. No. 6191, § 1, 8-21-06)

The purpose of this article is to regulate discharges to the stormwater drainage system as required by federal and state law. This article establishes methods for controlling the introduction of pollutants into the municipal separate storm sewer system (MS4) in order to comply with requirements of the National Pollutant Discharge Elimination System (NPDES) Phase II permit process. This article also sets forth the minimum requirements for construction site activities and those activities associated with excavation, grading, and removal of trees and vegetation. The objective of this article is:

- (1) To regulate the contribution of pollutants to the municipal separate storm sewer system by stormwater discharges by any user.
- (2) To regulate dust, silt and other construction site non-point pollution.
- (3) To prohibit illicit connections and discharges to the municipal separate stormwater system.
- (4) To establish legal authority and a permitting fee to carry out inspections, surveillance and monitoring procedures necessary to ensure compliance with this article.
- (5) To establish and collect fees for services provided for education, maintenance and construction of the city stormwater systems.